

What is claimed is:

1. A resin-made ball retainer for a rolling bearing, which comprises:  
a ring-shaped or arcuate retainer body having inner and outer peripheral surfaces opposite to each other; and

a plurality of pockets defined in the retainer body so as to open at the inner and outer peripheral surfaces of the retainer body and spaced from each other in a direction circumferentially thereof for rollingly retaining corresponding balls therein;

wherein radial sides of an inner surface of each of the pockets that are opposite to each other in a radial direction of the ball retainer are defined as spherical ball bearing surfaces to which each ball contacts;

wherein intermediate portions of the inner surface of each pocket with respect to the radial direction are defined as circumferential non-contact surface areas where the corresponding ball does not contact; and

wherein substantially all edges of the ball bearing surfaces of the inner surface of each pocket, which may contact the ball, are defined as chamfered edges.

2. The resin-made ball retainer for the rolling bearing as claimed in Claim 1, wherein portions of the inner surface of each pocket, which lie in a direction intersecting the direction of rotation of the ball retainer, are formed with intersecting oil reservoir grooves each being in the form of a generally elongated recess of a curved surface and extending in a direction radially of the ball retainer.

3. The resin-made ball retainer for the rolling bearing as claimed in Claim 1, wherein each of the pockets has an opening defined so as to open at one end of the ball retainer with respect to an axial direction thereof and wherein a bottom of the inner surface of each pocket opposite to such opening is formed with a bottom oil reservoir groove of a generally concaved shape.

4. The resin-made ball retainer for the rolling bearing as claimed in Claim 1, wherein a radial thickness of a general portion of the retainer body is made small relative to a radial thickness of a portion of the retainer body adjacent each pocket.

5. The resin-made ball retainer for the rolling bearing as claimed in Claim 1, wherein respective portions of one axial end of the retainer body where the corresponding pockets are defined are each provided with a pair of projections for embracing the corresponding ball and wherein an inner surface of each of those projections defines a part of the inner surface of the respective pocket.